AMENDMENTS TO THE CLAIMS, COMPLETE LISTING OF CLAIMS
IN ASCENDING ORDER WITH STATUS INDICATOR

Please amend the following claims as indicated.

1. (Original) A method for detecting Venezuelan equine encephalitis virus ("VEE") using a genetically biotinylated single chain fragment variable antibody ("scFv Ab"), comprising:

(a) reacting the genetically biotinylated scFv Ab with a sample containing VEE for observing antigen-binding activity; and

(b) analyzing the reactant by a system consisting of an immunofiltration enzyme assay ("IFA") with a light addressable potentiometric sensor ("LAPS").

2. (Original) The method of claim 1, wherein said genetically biotinylated scFv Ab is a genetically streptavidin-binding peptide tagged recombinant biotinylated scFv Ab.

3. (Currently Amended) The method of claim 2, wherein said biotinylated scFv Ab ~~displays high~~ has streptavidin-binding activity.

4. (Original) The method of claim 2, wherein said IFA assay comprises the steps of:

(a) preparing an immunocomplex sandwich, said sandwich consisting of VEE, biotinylated antibody, fluoresceinated polyclonal antibody and streptavidin;

(b) capturing said sandwich by filtration on biotinylated membrane; and

(c) detecting said captured sandwich by anti-fluorescein urease conjugate.

5. (Currently Amended) The method of claim 4, wherein a concentration ratio of biotinylated antibody to fluoresceinated polyclonal antibody ~~of~~ is 250:500 (ng/spot) ~~provides the highest signal-to-noise ratio with fixed concentration of VEE.~~